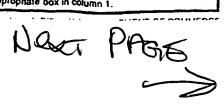
| PATENT   | APPLIC   | ATIO<br>Effec | N'FEE D                     | ETERMINAT<br>per 1, 1997                    | ION RECO         | RD               | App      | Discation of           | 93               | 656                 | 109                    |
|--|--|---------------|-----------------------------|---|------------------|------------------|----------|------------------------|------------------|---------------------|------------------------|
| CLAIMS AS FILED - PART I   |  |               |                             |   |                  |                  |          | NTITY                  |                  | OTHER THAN          |                        |
| FOR ( NUMBER FILED NUMBER EXTRA  |  |               |                             |   |                  | TY               | PE [     |                        | OR.              | SMALL               | ENTITY                 |
| 1 STE COMMINISCI COMPANIES |  |               |                             |   |                  | RAT              | =        | FEE                    |                  | RATE                | <i>E#1</i> )           |
| BASIC FEE  |  |               |                             |   |                  |                  |          | 395.00                 | OR               |                     | 190.00                 |
| TOTAL CLAIMS 43 minus 20 = 1   |  |               |                             |   |                  |                  | =        |                        | OR.              | x\$22=              | 1 188                  |
| DEPENDENT CL   | x41  | =             | 1/                          | OR  | x82=             | A                |          |                        |                  |                     |                        |
| IULTIPLE DEPEN   | DENT CLAIR                                     | M PRES        | SENT                        | +135  | _                | $\forall \vdash$ |          |                        | $\sqrt{ \cdot }$ |                     |                        |
| If the difference in column 1 is less than zero, enter "0" in column 2   |  |               |                             |   |                  |                  |          |                        |                  |                     |                        |
|  |  | TOTA          | L                           |   | ÖR               | TOTAL            | 861      |                        |                  |                     |                        |
| 11146  | (Column  |               | MENDED                      | - PART II<br>(Column 2)                     | (Column 3)       | SM               | ALL F    | NTITY                  | OB               | OTHER THAN          |                        |
|  | CLAIN<br>REMAIN<br>AFTE<br>AMENDN              | IING<br>R     |                             | HIGHEST<br>NUMBER<br>PREVIOUSLY<br>PAID FOR | PRESENT EXTRA .  | RATI             | T        | ADDI-<br>TIONAL<br>FEE |                  | RATE                | ADDI-<br>TIONAL<br>FEE |
| Total<br>Independen  | .19  |               | Minus                       | ·20   | = P              | x\$1             | <u> </u> | 4                      | OR.              | <b>/\$</b> 55=      |                        |
| independen   | 1  | 1             | Minus                       | 3   | - 4              | ×41              |          |                        | ÓΒ               | x82=1               |                        |
| FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM   |  |               |                             |   |                  |                  |          |                        | +270=            | N. O.               |                        |
| 21001  |  |               | a the state of the state of | 45 C 196                                    | Missey to the    | 101              | AL       | ****                   |                  | TOTAL               |                        |
| diju   | (Column  |               |                             | (Column 2)                                  | (Column 3)       | ADDIT, F         | EE L     |                        | OA               | DDIT FEE            |                        |
|  | REMAIN<br>AFTE<br>AMENDM                       | ING<br>R      |                             | HIGHEST<br>NUMBER<br>PREVIOUSLY<br>PAID FOR | PRESENT<br>EXTRA | RATI             | Ξ ,      | ADDI-<br>TIONAL<br>FEE |                  | RATE                | ADDI-<br>TIONAL<br>FEE |
| Total  | . 10   | 7             | Minus                       | <i>Q</i> O                                  | =                | x\$fv            | =        | -31                    | OR               | \$22=               |                        |
| Independen   | . 1  |               | Minus                       | ··· 3                                       |                  | x41              |          |                        | OR               | x82=                |                        |
| FIRST PR   | FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM |               |                             |   |                  |                  | =        | /                      | OR               | +270=               |                        |
| 130E   | Regiumn  | n 1)          |                             | (Column 2)                                  | (Column 3)       | TOT<br>ADDIT F   |          |                        | <b>Ю</b> В       | TOTAL<br>ADDIT. FEE |                        |
|  | CLAIN<br>REMAIN<br>AFTE<br>AMENDN              | IING<br>R     |                             | HIGHEST<br>NUMBER<br>PREVIOUSLY<br>PAID FOR | PRESENT<br>EXTRA | RAT              |          | ADDI-<br>TIONAL<br>FEE |                  | RATE                | ADDI-<br>TIONAL<br>FEE |
| Total<br>Independen  | 19   | ·             | Minus                       | NO  | =                | x\$11            | 1        |                        | OR               | x\$82=              | 7                      |
| Independen   |  |               | Minus                       | ·· 3  |                  | ×41              | $-\chi$  |                        | OR               | x82=                |                        |
| FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM   |  |               |                             |   |                  |                  |          |                        |                  |                     |                        |
| If the entry in column 1 is less than the entry in column 2, write "0" in column 3,  If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."  The "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."  The "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."  ADDIT. FEE  OR   +270=  TOTAL   OR   ADDIT. FEE   |  |               |                             |   |                  |                  |          |                        |                  |                     |                        |





2013

Application or Docket Number

## PATENT APPLICATION FEE DETERMINATION RECORD Effective January 1, 2003

091936563

|  | 1, 2000   |                             |                        | 1 106                                  | 506                                   |
|--|---|-----------------------------|------------------------|--|---------------------------------------|
| CLAIMS A   | S FILED - PART I (Column 1) (Colu   |                             | L ENTITY               |  | ER THAN                               |
| TOTAL CLAIMS   |   | TYPE                        |                        | OR SMAL                                | L ENTIT                               |
| FOR  | NUMBER FILED NUMB   | ER EXTRA BASIC              |                        | OR BASIC FI                            |                                       |
| TOTAL CHARGEABLE CLAIMS  | minus 20= *   | X\$ :                       | 1                      | OR X\$18=                              | <del></del>                           |
| INDEPENDENT CLAIMS   | minus 3 = *   | X42                         |                        |  | 1                                     |
| MULTIPLE DEPENDENT CLAIM PI  | RESENT  |                             |                        | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | +                                     |
| * If the diverence in column 1 is  | less than zero, enter "0" in co   | +140<br>olumn 2 TOTA        |                        | OR +280=                               |                                       |
| SLAMS AS A   | MENDED - PART II  | 1017                        | <sup>,,</sup> []       | OR TOTAL                               | R THAN                                |
| 9 34 0 7 Column 1) CLAIMS  | (Column 2)  | (Column 3) SMAI             | L ENTITY               |  | ENTITY                                |
| REMAINING AFTER AMENDMENT  Total * 9  Independent *                                    | NUMBER<br>PREVIOUSLY<br>PAID FOR  | PRESENT<br>EXTRA RATE       | ADDI-<br>TIONAL<br>FEE | RATE                                   | ADDI-<br>TIONA<br>FEE                 |
| Total . 9  | Minus ** 00   | <b>1 1 1 9</b> :            | =                      | X\$18=                                 |                                       |
| Independent * FIRST PRESENTATION OF MU   | Minus *** 3   | X42=                        |                        | OR X84=                                |                                       |
|  |   | +140=                       |                        | OR +280=                               |                                       |
| 21001  | •   | TOTA<br>ADDIT. FE           |                        | PR ADDIT, FEE                          |                                       |
| OG (Column 1) CLAIMS   |   | Column 3)                   |                        |  |                                       |
| REMAINING AFTER AMENDMENT  Total   | HIGHEST<br>NUMBER<br>PREVIOUSLY<br>PAID FOR                               | PRESENT RATE                | ADDI-<br>TIONAL<br>FEE | RATE                                   | ADDI-<br>TIONAL<br>FEE                |
| Total A 9  | 1 inus ** 20 =  | X\$ 9                       | 0                      | R X\$18=                               |                                       |
| Independent * N  | Minus *** 3 =   | X42=                        |                        | R X84=                                 |                                       |
| THE TIZE NATION OF MOL   | TIPLE DEPENDENT CLAIM   | +140=                       | 01                     |  |                                       |
|  |   | . TOTAL                     | 1                      | TOTAL                                  | <del>\</del>                          |
| Q 4 D4 (Column 1)  | (Column 2) (C   | ADDIT. FEE<br>olumn 3)      | ·                      | ADDIT. FEE                             |                                       |
| CLAIMS. REMAINING AFTER AMENDMENT  |   | RESENT.<br>EXTRA RATE       | ADDI-<br>TIONAL<br>FEE | RATE                                   | ADDI-<br>TIONAL<br>FEE                |
| Total * 39 Mi  | nus ** 20 =   | X\$ 9=                      | OF                     | X\$18=                                 | 342                                   |
| (Y)  | nus *** 3 =   | X42=                        | OR                     | V04                                    | 2 14                                  |
| FIRST PRESENTATION OF MULT   | IPLE DEPENDENT CLAIM  |                             |                        | `                                      |                                       |
| If the entry in column 1 is less than the en   | ntry in column 2, write "0" in column                                     | 3. +140=                    | OR                     | TOTAL                                  | 000                                   |
| if the "Highest Number Previously Paid Fi<br>"If the "Highest Number Previously Paid F | or" IN THIS SPACE is less than 20,<br>or" IN THIS SPACE is less than 3. a | enter "20." ADDIT. FEE      | OR                     | ADDIT. FEE                             | AUX                                   |
| The "Highest Number Previously Paid Fo   | r" (Total or Independent) is the high                                     | est number found in the ann | ropriate box in co     | olumn 1                                | · · · · · · · · · · · · · · · · · · · |

New PAGE

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## PATENT APPLICATION FEE DETERMINATION RECORD Effective January 1, 2003

Application or Docket Number

09/936563

| - 1       |  |   |                                    |  |                           |                           |          |                   |                       | _          |                   | <u> </u>               |
|-----------|--|---|------------------------------------|--|---------------------------|---------------------------|----------|-------------------|-----------------------|------------|-------------------|------------------------|
|           |  | CLAIMS                                    |                                    | D - PART<br>Jmn 1)                     |                           | mn 2)                     |          |                   | ENTIT                 |            |                   | IER THAN               |
| $\ $      | TOTAL CLAIMS                           |   |                                    | 21111 17                               | (COIO                     | 11111 2)                  |          | TYPE<br>RATE      | FE                    |            | OR SMA            | LL ENTIT               |
|           | FOR                                    | NUMB                                      | ER FILED                           | NUMB                                   | ER EXTRA                  | 1                         | BASIC F  |                   |                       | BASIC I    |                   |                        |
|           | TOTAL CHARGEABLE CLAIMS                |   |                                    | minus 20=                              | . \                       |                           | 1 1      | X\$ 9=            |                       |            |                   | <del></del>            |
| -         | NDEPENDENT                             | CLAIMS                                    |                                    | minus 3 =                              | . //                      |                           | 1        | X42=              | 11,                   |            | ~ ·               |                        |
| ľ         | MULTIPLE DEP                           | ENDENT CLAIM                              | PRESENT                            |  |                           |                           | 1 }      |                   | <b>₹</b> ₩            | <b></b>  ⁰ | X84=              | NV-                    |
| .         | If the different                       | ce in column 1                            | is less than                       | zero enter                             | "O" in co                 | dumn 2                    | ' [      | +140=             | 14                    | 0          | R +280            | =                      |
|           | 2                                      | CLAIMS AS                                 |                                    |  |                           | 2000                      |          | TOTAL             | · [                   | 0          |                   | <u> </u>               |
| 1         | 312116                                 | Column 1                                  |                                    | Colum                                  |                           | (Column 3)                |          | SMALL             | - ENTIT               | Y OF       |                   | ER THAN<br>L ENTITY    |
| FNT       |  | CLAIMS<br>REMAINING<br>AFTER<br>AMENDMENT |                                    | HIGHE<br>NUMB<br>PREVIOU<br>PAID FO    | ER<br>USLY                | PRESENT<br>EXTRA          |          | RATE              | ADD<br>TION/<br>FEE   | AL         | RATE              | ADDI-<br>TIONAI<br>FEE |
| AMENDMENT | Totál                                  | .45                                       | Minus                              | # 3                                    | 9                         | = Q                       | 6        | 25                |                       | OF         | 50                | 300                    |
| AM        | Independent<br>FIRST PRES              | ENTATION OF N                             | Minus                              | ***                                    | $\sim 1$                  | =                         |          | X42=              |                       | OF         | X84=              |                        |
|           |  |   |                                    | e, endert e                            |                           |                           |          | +140=             |                       | OR         | +280=             |                        |
|           |  |   |                                    |  |                           |                           | <b>L</b> | TOTAL<br>DIT. FEE |                       | OR         | TOTA<br>ADDIT. FE | 190                    |
|           |  | (Column 1)                                |                                    | (Column                                |                           | Column 3)                 | ,,,,     | 011.122           | <del></del>           |            |                   |                        |
| AMENDMENT |  | CLAIMS<br>REMAINING<br>AFTER<br>AMENDMENT |                                    | HIGHES<br>NUMBE<br>PREVIOU:<br>PAID FO | R I                       | PRESENT<br>EXTRA          |          | RATE              | ADDI-<br>TIONA<br>FEE | 1          | RATE              | ADDI-<br>TIONAL<br>FEE |
| NDN       | Total                                  | *   | Minus                              | " 46                                   | ) =                       |                           |          | X\$ 9=            |                       | OR         | X\$18=            |                        |
| AME       | Independent                            | *   | Minus                              | *** 3                                  | 3  =                      |                           | ;        | X42=              |                       | OR         | X84=              |                        |
|           | FIRST PRESE                            | ENTATION OF M                             | OLTIPLE DE                         | PENDENT CI                             | LAIM                      |                           |          | 140=              |                       | 1          | +280=             |                        |
|           |  |   | •                                  |  |                           |                           | <u>L</u> | TOTAL             | <del></del>           | OR<br>OR   | TOTAL             |                        |
|           |  | (Column 1)                                | •                                  | (Column                                | 2) (C                     | olumn 3)                  | ADD      | OIT. FEE L        | <del></del>           | JOH        | ADDIT, FEE        | <u> </u>               |
| •         |  | CLAIMS<br>REMAINING                       |                                    | HIGHEST<br>NUMBER                      | T                         | RESENT.                   | <u> </u> | Т                 | ADDI-                 | 7          | <del></del>       | ADDI-                  |
|           |  | AFTER<br>AMENDMENT                        |                                    | PREVIOUS<br>PAID FOR                   | SLY                       | EXTRA                     | R        | ATE               | TIONAL<br>FEE         |            | RATE              | TIONAL<br>FEE          |
| TIMENOMEN | Total                                  | *   | Minus                              | **                                     | =                         |                           | X        | \$ 9=             | 1 66                  | OR         | X\$18=            | , , , , ,              |
| Y N       | Independent                            | *   | Minus `                            | ***                                    | =                         |                           | -        | 42=               |                       | 1 1        | X84=              |                        |
|           | FIRST PRESE                            | NTATION OF MU                             | ILTIPLE DEF                        | PENDENT CL                             | AIM                       |                           | -        |                   |                       | OR         | ·                 |                        |
| • If      | the entry in colum                     | nn 1 is less than the                     | e entry in colu                    | mn 2. write "0" i                      | in columa                 | 3                         | <u>L</u> | 40=               |                       | OR         | +280=             |                        |
|           | the "Highest Nurr<br>the "Highest Nurr | nber Previously Pai<br>nber Previously Pa | id For" IN THIS<br>id For" IN THIS | S SPACE is less<br>S SPACE is less     | s than 20,<br>s than 3. e | enter "20."<br>enter "3." | ADD1     | TOTAL<br>T. FEE   |                       |            | TOTAL<br>DDIT FEE |                        |
| T         | he "Highest Numt                       | per Previously Paid                       | For" (Total or                     | Independent) is                        | s the high                | est number fo             | ound in  | the appro         | opriate bo            | k in colu  | ımn 1.            | f                      |